

ATTORNEY DOCKET NO. 19232.0011U1
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Andreas Mühe) Art Unit: Unassigned
Application No. Unassigned) Examiner: Unassigned
Filing Date: Concurrently) Confirmation No. Unassigned
For: CRYSTAL-GROWING FURNACE, IN)
PARTICULAR A VERTICAL)
BRIDGMAN CRYSTAL-GROWING)
FURNACE OR A VERTICAL GRADIENT)
FREEZE CRYSTAL-GROWING)
FURNACE HAVING A JACKET)
HEATER AND A METHOD OF)
REGULATING THE HEAT OUTPUT OF)
THE JACKET HEATER)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer Number 23859

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Form PTO 1449 is a listing of documents known to Applicants and/or their attorneys. A copy of each of these documents is enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicants.

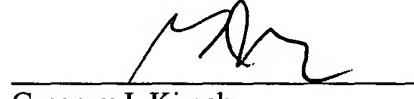
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Consideration of the cited documents and making the same of record in the prosecution
of the above-referenced application are respectfully requested.

No fee is believed due; however, the Commissioner is hereby authorized to charge any
additional fees which may be required, or credit any overpayment to Deposit Account
No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.



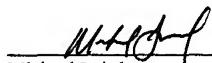
Gregory J. Kirsch

Registration No. 35,572

NEEDLE & ROSENBERG, P.C.
Customer Number 23859
(678) 420-9300
(678) 420-9301 (fax)

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as Express Mail, Label No. EL992075877US, in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.



Michael Laird

8/27/03

Date

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APPLICATION NO. Unassigned
SHEET 1 OF 1

| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF INFORMATION CITED BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | | | |
|--|----------|--|------------|--|-------|--------------------|------------------------------|
| | | | | Application Number | | Unassigned | |
| | | | | Filing Date | | Concurrently | |
| | | | | First Named Inventor | | Andreas Mühe | |
| | | | | Group Art Unit | | Unassigned | |
| | | | | Examiner Name | | Unassigned | |
| | | | | U.S. PATENT DOCUMENTS | | | |
| Examiner's Initials | Cite No. | Document No. | Date | Name | Class | Subclass | Filing Date (if appropriate) |
| | A1 | 4,055,457 | 10/25/1977 | Swinehart | | | |
| | A2 | 4,417,943 | 11/29/1983 | Jacques et al. | | | |
| | A3 | 5,047,113 | 09/10/1991 | Ostrogorsky | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Cite No. | Foreign Patent Document Country Code-Number-Kind Code | Date | Name | | Translation Yes/No | |
| | A4 | DE 2653414 | 06/30/1977 | Commissariat a l'Energie Atomique, Paris | | No | |
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| NON-PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Cite No. | Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication) | | | | | |
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| Examiner Signature: | | | | Date Considered: | | | |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |